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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,326	01/25/2006	Sean Geoffrey Maddox	CPG0188DB	1635

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MEADWESTVACO CORPORATION
ATTN: IP LEGAL DEPARTMENT
1021 Main Campus Drive
Raleigh, NC 27606

EXAMINER

BOSWELL, CHRISTOPHER J

ART UNIT	PAPER NUMBER
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3673

NOTIFICATION DATE	DELIVERY MODE
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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketadministrator@mwv.com

Office Action Summary	Application No. 10/540,326	Applicant(s) MADDOX ET AL.	
	Examiner CHRISTOPHER BOSWELL	Art Unit 3673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 15-31 and 33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 29-31 is/are allowed.
- 6) ☒ Claim(s) 15-23, 27, 28 and 33 is/are rejected.
- 7) ☒ Claim(s) 24-26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 15-20 and 27-28 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent Application Publication Number 2004/0123311 to Farrar et al.

Farrar et al. disclose an apparatus (25) for releasing a magnetic security device (8A) in an article (1-3), the apparatus having a first portion (portion contiguous with 25A) for locating the article in a first direction and a second portion (portion contiguous with 25B) for locating the article in a second direction substantially perpendicular to the first direction, the first and second portions define a receptacle (are defined between the first and second portions; figure 6) configured and adapted to receive the article so as to physically restrain the article in the first and second directions as it is brought into contact with the first and second portions, while leaving the article unrestrained in at least a third direction substantially perpendicular to the first and second directions (the first and second portions providing alignment of an article in the vertical and lateral directions while allowing the article to be unrestrained in the axial direction; figure 6), the receptacle being configured and adapted to receive first and second surfaces of the article that are wider than the apparatus, such that the article when received in the receptacle may extend beyond the apparatus in the third direction and may extend beyond the apparatus in the fourth

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direction opposite the third direction (the receptacle is comprised of two orthogonal portions which allow free movement in all but the first and second directions), and at least one of the first and second portions including magnetic release means (paragraph 104) arranged to assist in locating the article, when the article is initially misaligned into alignment in the third direction by magnetic attraction of the security device as the article is brought into contact with the at least one of the first and second portions (paragraph 104), the magnetic release means being arranged to provide a first magnetic force (paragraph 106) in a first direction and a second magnetic force (paragraph 106) in the second direction for releasing the magnetic security device (paragraph 106) from the article, as in claim 15.

Farrar et al. also disclose the first portion defines a first plane (plane defined by the first portion) and the second portion defines a second plane (plane defined by the second portion) substantially perpendicular to the first plane (figure 6), as in claim 17, in which the first and second planes define a receptacle (are defined between the first and second portions; figure 6) having a substantially L-shaped cross-section (figure 6), as in claim 18, as well as the first and second portions respectively comprise a base portion (25A) and a top portion (25B) upstanding therefrom, as in claim 19, wherein the first and second portions are connected together by means of at least one mutually engageable projection and recess (the corner defining the transition between the bottom surface and the rear surface), as in claim 20, and a method of releasing a magnetic security device comprising the steps of providing an apparatus as in claim 15 (25) and presenting an article (1-3) with a magnetic security device (8A) thereto to release the magnetic security device therefrom (paragraphs 104-109), as in claim 28.

Farrar et al. additionally disclose an apparatus (25) for releasing a magnetic security device (8A) in an article (1-3), the apparatus having a first portion (portion contiguous with 25A) for locating the article in a first direction and a second portion (portion contiguous with 25B) for locating the article in a second direction substantially perpendicular to the first direction, wherein the first and second portions define an L-shaped receptacle (figure 6) configured and adapted to restrain the article in the first and second directions as it is brought into contact with the first and second portions (the first and second portions providing alignment of an article in the vertical and lateral directions while allowing the article to be unrestrained in the axial direction; figure 6), while leaving the article unrestrained in at least a third direction (the receptacle is comprised of two orthogonal portions which allow free movement in all but the first and second directions) substantially perpendicular to the first and second directions, the L-shaped receptacle being capable of receiving articles of a wide range of shapes and sizes (capable of receiving any article that can be placed in the receptacle, where the axial length be any of a various length) having a security device installed adjacent two substantially perpendicular sides thereof (figure 6), the receptacle being configured and adapted to receive an article having first and second surfaces that are wider in the third direction than the apparatus (figure 6), and at least one of the first and second portions including magnetic release means (paragraph 104) arranged to provide a first magnetic force (paragraph 106) in the first direction and a second magnetic force (paragraph 106) in the second direction for releasing the magnetic security device (paragraph 106) from the article, wherein the receptacle is adapted and configured to receive the article such that the size of the surfaces of the article within the receptacle are unrestricted in at least the third direction

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and a fourth direction opposite the third direction (the receptacle is comprised of two orthogonal portions which allow free movement in all but the first and second directions), as in claim 16.

Farrar et al. also disclose at least one of the first and second portions including magnetic release means (paragraph 104) arranged to assist in locating the article in a third direction substantially perpendicular to the first and second direction by magnetic attraction of the security device as the article is brought into contact with the at least one of the first and second portions so as to align the magnetic security device with the magnetic release means (paragraphs 104-106), as in claim 27.

Farrar et al. further disclose an apparatus (25) for releasing a magnetic security device (8A) in an article (1-3), the apparatus comprising a first portion (portion contiguous with 25A) for locating the article in a first direction (direction coaxial with 25A) and second portion (portion contiguous with 25B) for locating the article in a second direction (direction coaxial with 25B) substantially perpendicular to the first direction, the first and second portions defining a receptacle (are defined between the first and second portions; figure 6) configured and capable of receiving first and second surfaces of the article such that the first and second surfaces of the article when received in the receptacle may extend beyond the apparatus in a third direction (the receptacle is comprised of two orthogonal portions which allow free movement in all but the first and second directions) that is substantially perpendicular to the first and second directions, and may extend beyond the apparatus in a fourth direction (the receptacle is comprised of two orthogonal portions which allow free movement in all but the first and second directions)

opposite the third direction, and magnetic release means (paragraph 104) associated with the receptacle for releasing the magnetic security device in the article, as in claim 33.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Farrar et al., as applied above, in view of U.S. Patent Number 6,880,372 to Kim.

Farrar et al. disclose the invention substantially as claimed. Farrar et al. discloses the magnetic release means applies a first magnetic force in a first direction and a second magnetic force in a second direction. However, Farrar et al. do not disclose a first and a second magnet causing the magnetic forces. Kim teaches of an apparatus (60) for releasing a magnetic security device (2) in an article (1), the apparatus comprising a first portion (base of element 60 where magnet 62 is disposed) for locating the article in a first direction (direction coaxial with the axis of magnet 62) and a first magnet (62) for applying a first magnetic force and second portion (base of element 60 where magnet 63 is disposed) for locating the article in a second direction (direction coaxial with the axis of magnet 63) substantially perpendicular to the first direction and a second magnet (63) for applying a second magnetic force, the first and second portions defining a receptacle (61) configured and capable of receiving first and second surfaces of the article such that the first and second surfaces of the article extend beyond the apparatus in a third

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direction (direction coaxial with the axis of magnet 64) that is substantially perpendicular to the first and second directions, in the same field of endeavor for the purpose of establishing a first magnetic force in a first direction and a second magnetic force in a second direction. It would have been obvious to one with ordinary skill in the art at the time the invention was made to utilize a first magnet, as taught by Kim, to apply the first magnetic force, in Farrar et al., and a second magnet to apply the second magnetic force in order to withdraw the magnetic security device from the article at least far enough to prevent re-engagement of the security device with the article.

Claims 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farrar et al. and Kim, as applied above, in view of U.S. Patent Number 6,084,498 to Stelter et al.

Farrar et al. and Kim teach of an apparatus (25) for releasing a magnetic security device (8A) from an article (1-3), the apparatus comprising a first portion (portion contiguous with 25A) for locating the article in a first direction and a second portion (portion contiguous with 25B) for locating the article in a second direction substantially perpendicular to the first direction (figure 6), the first and second portions forming a receptacle (are defined between the first and second portions; figure 6) for receiving the article but physically restraining the article in the first and second directions as it is brought into contact with the first and second portions (restrained by the base and wall), while leaving the article unrestrained in at least a third direction substantially perpendicular to the first and second directions (allowing the article to be moved in an axial direction of the article; figure 9), at least one of the first and second portions including magnetic release means (paragraph 104) arranged to assist in locating an initially misaligned article into

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alignment in the third direction by magnetic attraction of the security device as the article is brought into contact with the at least one of the first and second portions (column 5, line 59-column 6, line 32), the magnetic release means being arranged to provide a first magnetic force in the first direction (paragraph 106) and a second magnetic force in the second direction (paragraph 106) for releasing a magnetic security device from the article, wherein Kim teaches of a magnetic release means include a first magnet assembly (62) and a second magnet assembly (63). However, Farrar et al. and Kim do not disclose the first or second magnets are comprised of a plurality of magnets.

Stelter et al. teach of a magnetic decoupler (10) for releasing a magnetic security device (figures 5 and 6) consisting of a magnetic release means (11, 12, 13, 14, 15 and 16), Where the magnetic release means includes a central magnet (11 and 16) and a plurality of peripheral magnets (12, 13, 14 and 15) mounted adjacent to the central magnet (figure 3) such that the magnetic axis of each peripheral magnet of the plurality of peripheral magnets are substantially perpendicular to the magnetic axis of the central magnet (column 4, lines 9-48).

Because both Farrar et al., Kim and Stelter et al. teach methods for unlocking magnetic security devices, it would have been obvious to one with ordinary skill in the art to substitute the magnetic assembly, where the assembly consists of a plurality of magnets, in Stelter et al. with the single magnets in Farrar et al. to achieve the predictable result of improving the magnetic strength of the magnetic release means from the orientations of the magnets that increase the axial magnetic field gradient by superposition of the magnetic fields of each individual magnets.

Allowable Subject Matter

Claims 29-31 are allowed.

Claims 24-26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The claims are allowable over the prior art of record because the teachings of the references taken as a whole do not teach or render obvious the combination set forth, including that of a closure means that prevents an article from being presented to the magnetic release means.

Response to Arguments

Applicant's arguments with respect to claims 15-23, 27, 28 and 33 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the state of the art with respect to security device releasing means:

U.S. Patent Number 7,404,484 to Farrar et al., U.S. Patent Number 7,315,253 to Pijanowski et al., U.S. Patent Number 6,931,895 to Ahn, U.S. Patent Number 6,637,589 to Broadhead, U.S. Patent Number D468,621 to Farrar et al., U.S. Patent Application Publication Number 2004/0182119 to Lax et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER BOSWELL whose telephone number is (571)272-7054. The examiner can normally be reached on 9:00 - 4:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (571) 272-6856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher Boswell
Examiner
Art Unit 3673

/Peter M. Cuomo/
Supervisory Patent Examiner, Art Unit
3673

CJB /cb/
May 6, 2009